



COMMONWEALTH of VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010583  
CERTIFICATION DATE: December 17, 2013  
DATE RECERTIFICATION DUE: June 15, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Timmy L. Neece, Jr.  
Forensic Scientist

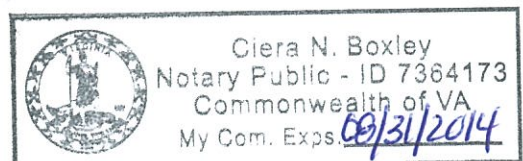
CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 30th day of  
December, 2013 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

*msk*



**Department of Forensic Science**  
**Breath Alcohol Section**  
**Instrument Maintenance History**  
**1/1/1990 To 12/19/2013**

*HMS*  
*TW*

<b>Instrument Serial Number:</b>	<b>010583</b>	<b>As of 19-Dec-13</b>
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Maintenance Date	Certification Date	Technician Initials	Remarks
17-Dec-13	17-Dec-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
02-Jul-13	02-Jul-13	HMS (18910)	CERTIFIED
14-Jan-13	14-Jan-13	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-Jul-12	25-Jul-12	HMS (18910)	CERTIFIED
06-Feb-12	06-Feb-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
17-Aug-11	17-Aug-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
09-Mar-11	09-Mar-11	HMS (18910)	CERTIFIED
28-Sep-10	28-Sep-10	HMS (18910)	CERTIFIED
06-Jul-10	12-Apr-10	HMS (18910)	REPLACED DRY GAS STANDARD.
12-Apr-10	12-Apr-10	HMS (18910)	CERTIFIED
27-Oct-09	27-Oct-09	RJP (22428)	CERTIFIED.
13-May-09	13-May-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
03-Dec-08	03-Dec-08	HMS (18910)	CERTIFIED.
21-Nov-08	21-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

JHS  
TLN

## INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010583 Worksheet Start Date 12/17/2013  
Location Craig County  
Address 182 Main St., Suite 1, New Castle, VA 24127  
DFS Technician Heather Stanton License No. 18910

☐ Laboratory

☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 724 Reference Barometer (mm HG) 727  
Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

### Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.288
0.300	0.285	0.276	0.293	Sample 2	0.288
Precision		sample min	sample max	Sample 3	0.288
0		0.288	0.288		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.096
0.100	0.095	0.092	0.098	Sample 2	0.096
Precision		sample min	sample max	Sample 3	0.096
0		0.096	0.096		

Dry gas standard Lot No. (with tank no.) AG227501-17

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:

### Notes:

Firmware/software upgrade.

Instrument Serial Number

010583

Certification Date

12/17/2013

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.236
0.250	0.238	0.230	0.245	Sample 2	0.236
Precision		sample min	sample max	Sample 3	0.236
0		0.236	0.236		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.142
0.150	0.143	0.138	0.147	Sample 2	0.142
Precision		sample min	sample max	Sample 3	0.142
0		0.142	0.142		

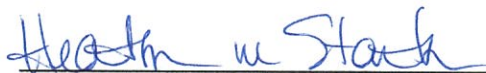
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.076
0.080	0.076	0.073	0.079	Sample 2	0.076
Precision		sample min	sample max	Sample 3	0.076
0		0.076	0.076		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.018
0.020	0.019	0.016	0.022	Sample 2	0.018
Precision		sample min	sample max	Sample 3	0.018
0		0.018	0.018		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

12/19/13

Issuing Analyst



Date

12/20/13

msk

**Intox EC/IR-II: Accuracy Check**

*Handwritten signature*  
TAN

*Department of Forensic Science*

Serial Number: 010583      Test Number: 280

Test Date: 12/17/2013      Test Time: 12:10 EST

Dry Gas Target: 0.286

Lot Number: AG322702-08      Exp Date: 08/15/2015

Tank Pressure: 384 psi      Barometric Pressure: 724 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:10
CHK	0.287	12:11
BLK	0.000	12:13
CHK	0.286	12:13
BLK	0.000	12:15
CHK	0.286	12:16

Test Status: *Success*

Calibration CRC: 26DDDDC4

HMB  
TLN

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010583      Test Number: 281

Test Date: 12/17/2013      Test Time: 12:22 EST

Dry Gas Target: 0.095

Lot Number: AG219101-13      Exp Date: 07/09/2014

Tank Pressure: 1061 psi      Barometric Pressure: 724 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:23
CHK	0.094	12:23
BLK	0.000	12:25
CHK	0.094	12:26
BLK	0.000	12:27
CHK	0.094	12:28

Test Status: *Success*

Calibration CRC: 26DDDDC4

AMS  
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COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
<b>INSTRUMENT, TEST,</b>	<b>DFS</b>

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
<b>STANTON, HEATHER, M</b>		<b>DFS Central Lab</b>
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
<b>18910</b>	<b>10/01/2014</b>	<b>12/17/2013</b>
TEST EQUIPMENT NUMBER		
<b>010583</b>		

RESULTS: TIME SAMPLE TAKEN 12:36 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 19 Dec 2013 at 08:14

AND  
TLN

## Test Results

Instrument Serial Number 010583

Test # 000282 Subject Test

Test Location 1 Department of  
Test Date 17 Dec 2013

Test Location 2 Forensic Science  
Test Time 12:29  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 17 Dec 2013 End Time 12:37

Result Time 12:36

Result Date 17 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:30

Data Type BLK

Sample Value 0.000

Sample Time 12:30

Data Type CHK

Sample Value 0.094

Sample Time 12:31

Data Type BLK

Sample Value 0.000

Sample Time 12:32

Data Type SUBJ

Sample Value 0.000

Sample Time 12:33

Data Type BLK

Sample Value 0.000

Sample Time 12:34

Data Type SUBJ

Sample Value 0.000

Sample Time 12:36

Data Type BLK

Sample Value 0.000

Sample Time 12:36

Standard Type Dry Gas Std

Standard Value 0.095

Standard Lot Number AG219101-13

Standard Expiration Date 07/09/2014

Tank Pressure 1051

Barometric Pressure 724 mmHg

Blow Sample Number 1 Blow Duration 3.38 sec

Blow Volume 1742 cc End-of-Blow Time 12:33

Blow Sample Number 2 Blow Duration 3.36 sec

Blow Volume 1721 cc End-of-Blow Time 12:36

Tamper Evident Stamp 8ee921f9

Test Status Code 0

Test Status Success



Handwritten initials/signature and "TLD" below it.

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010583

System Date: 12/17/2013

System Time: 13:01 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

HM  
TLW

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 010583      Test Number: 283

Test Date: 12/17/2013      Test Time: 13:03 EST

Dry Gas Target: 0.095

Lot Number: 06512100I3-06      Exp Date: 04/01/2014

Tank Pressure: 531 psi      Barometric Pressure: 723 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:03
CAL	0.095	13:04

Test Status: *Success*

Calibration CRC: 6ED18318

*Handwritten initials/signature*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010583      Test Number: 284  
Test Date: 12/17/2013      Test Time: 13:07 EST

Technician Initials: HMS

Dry Gas Target: 0.238

Lot Number: 2961225012-08      Exp Date: 11/01/2014  
Tank Pressure: 139 psi      Barometric Pressure: 722 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:07
BLK	0.000	13:08
CHK	0.236	13:09
BLK	0.000	13:10
CHK	0.236	13:11
BLK	0.000	13:13
CHK	0.236	13:14
BLK	0.000	13:16

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS  
TLV

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010583      Test Number: 285  
Test Date: 12/17/2013      Test Time: 13:17 EST

Technician Initials: HMS

Dry Gas Target: 0.143

Lot Number: 2951215012-02      Exp Date: 11/01/2014  
Tank Pressure: 453 psi      Barometric Pressure: 722 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:17
BLK	0.000	13:18
CHK	0.142	13:19
BLK	0.000	13:20
CHK	0.142	13:21
BLK	0.000	13:22
CHK	0.142	13:23
BLK	0.000	13:25

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS  
TLN

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010583      Test Number: 286  
Test Date: 12/17/2013      Test Time: 13:26 EST

Technician Initials: HMS

Dry Gas Target: 0.076

Lot Number: 0771308012-04      Exp Date: 05/01/2015  
Tank Pressure: 595 psi      Barometric Pressure: 722 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:27
BLK	0.000	13:27
CHK	0.076	13:28
BLK	0.000	13:29
CHK	0.076	13:30
BLK	0.000	13:31
CHK	0.076	13:32
BLK	0.000	13:34

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS  
TLN

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010583      Test Number: 287  
Test Date: 12/17/2013      Test Time: 13:35 EST

Technician Initials: HMS

Dry Gas Target: 0.019

Lot Number: 0771302011-04      Exp Date: 05/01/2015  
Tank Pressure: 703 psi      Barometric Pressure: 722 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:35
BLK	0.000	13:36
CHK	0.018	13:37
BLK	0.000	13:38
CHK	0.018	13:39
BLK	0.000	13:40
CHK	0.018	13:41
BLK	0.000	13:42

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

HMS  
TLN

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010583      Test Number: 288

Test Date: 12/17/2013      Test Time: 13:44 EST

Dry Gas Target: 0.285

Lot Number: AG322702-08      Exp Date: 08/15/2015

Tank Pressure: 379 psi      Barometric Pressure: 722 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:45
CHK	0.288	13:46
BLK	0.000	13:47
CHK	0.288	13:48
BLK	0.000	13:50
CHK	0.288	13:51

Test Status: *Success*

Calibration CRC: 6ED18318

HMS  
TLN

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010583      Test Number: 289

Test Date: 12/17/2013      Test Time: 13:54 EST

Dry Gas Target: 0.095

Lot Number: AG227501-17      Exp Date: 10/01/2014

Tank Pressure: 154 psi      Barometric Pressure: 722 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:54
CHK	0.096	13:55
BLK	0.000	13:57
CHK	0.096	13:57
BLK	0.000	13:59
CHK	0.096	14:00

Test Status: *Success*

Calibration CRC: 6ED18318



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COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>12/17/2013</b>
TEST EQUIPMENT NUMBER <b>010583</b>		

RESULTS: TIME SAMPLE TAKEN **14:07 EST**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 19 Dec 2013 at 08:14

Handwritten initials: *AMW*  
*TW*

## Test Results

Instrument Serial Number 010583

Test # 000290 Subject Test

Test Location 1 Department of  
Test Date 17 Dec 2013

Test Location 2 Forensic Science  
Test Time 14:01  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial N

License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 17 Dec 2013 End Time 14:08

Result Time 14:07

Result Date 17 Dec 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:01

Data Type BLK

Sample Value 0.000

Sample Time 14:02

Data Type CHK

Sample Value 0.096

Sample Time 14:03

Data Type BLK

Sample Value 0.000

Sample Time 14:04

Data Type SUBJ

Sample Value 0.000

Sample Time 14:05

Data Type BLK

Sample Value 0.000

Sample Time 14:06

Data Type SUBJ

Sample Value 0.000

Sample Time 14:07

Data Type BLK

Sample Value 0.000

Sample Time 14:08

Standard Type Dry Gas Std

Standard Value 0.095

Standard Lot Number AG227501-17

Standard Expiration Date 10/01/2014

Tank Pressure 149

Barometric Pressure 722 mmHg

Blow Sample Number 1 Blow Duration 3.37 sec

Blow Volume 1739 cc

End-of-Blow Time 14:05

Blow Sample Number 2 Blow Duration 3.54 sec

Blow Volume 1752 cc

End-of-Blow Time 14:07

Tamper Evident Stamp 6f3ae555

Test Status Code 0

Test Status Success